# Nio Color 3MP LED (MDNC-3321)

## 3MP high-bright color display system

Nio Color 3MP LED is a 3 MegaPixel high-bright color display system with LED backlights, providing excellent image quality for confident diagnoses. Nio Color 3MP LED provides an effective display solution for a multitude of applications and modalities, including 3D PACS, 3D echo, ultrasound, orthopedic imaging, CAD, image fusion, nuclear medicine and PET.

### Confident color reading

Equipped with high-bright LED backlights, Nio Color 3MP LED delivers excellent brightness and more shades of gray to detect subtle details more quickly. The unique front-of-screen sensor ensures you see consistent and precise images at all times for confident diagnoses.

### On-demand image quality checks

The front-of-screen sensor on Nio Color 3MP LED, which works seamlessly with Barco's online MediCal QAWeb solution for automated Quality Assurance and on-demand calibration, makes sure you are viewing perfect DICOM images.

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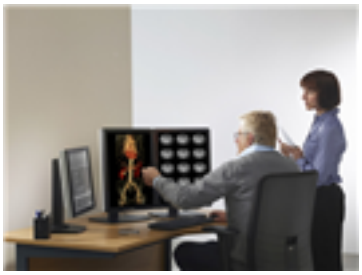

### An excellent investment

Using energy-efficient LED backlights, Nio Color 3MP LED is as low in power consumption as it is high in brightness. Because it uses less power, the display produces less heat and requires less cooling, which impacts maintenance and operational costs. Additionally, the LED backlights offer a long lifetime - even at high brightness - providing an excellent return on your investment.

| Product specifications | Nio Color 3MP LED (MDNC-3321) |
|---|---|
| **Screen technology** | TFT AM Color LCD IPS |
| **Backlight** | LED |
| **Active screen size (diagonal)** | 540 mm (21.3") |
| **Active screen size (H x V)** | 433 x 325 mm (17.0 x 12.8") |
| **Aspect ratio (H:V)** | 4:3 |
| **Resolution** | 3MP (2048 x 1536) |
| **Pixel pitch** | 0.2155 mm |
| **Color imaging** | Yes |
| **Gray imaging** | Yes |
| **Color support** | 30 bit |
| **Viewing angle (H, V)** | 176° |
| **Front sensor** | Yes |
| **Uniform Luminance Technology (ULT)** | Yes |
| **Per Pixel Uniformity (PPU)** | No |
| **Ambient Light Compensation (ALC)** | No |
| **Backlight Output Stabilization (BLOS)** | Yes |
| **Maximum luminance** | 800 cd/m² |
| **DICOM calibrated luminance** | 400 cd/m² |
| **Contrast ratio (ULT off)** | 1400:1 |
| **Response time (Tr + Tf)** | 40 ms |
| **Video input signals** | DVI-D Dual Link, DisplayPort |
| **USB ports** | 1 upstream (endpoint), 2 downstream |
| **USB standard** | 2.0 |
| **Power consumption (nominal)** | 50W |
| **Power save mode** | Yes |
| **Dimensions with stand (W x H x D)** | Portrait: 378 x 528~628 x 235 mm<br>Landscape: 491 x 472~572 x 235 mm |
| **Dimensions w/o stand (W x H x D)** | Portrait: 378 x 491 x 84 mm<br>Landscape: 491 x 378 x 84 mm |
| **Net weight with stand** | 12.8 kg |
| **Mounting standard** | VESA (100 mm) |
| **Screen protection** | Protective, non-reflective glass cover |
| **Recommended modalities** | CT, MR, US, DR, CR, NM, Film |
| **Certifications** | CE0120 (MDD 93/42/EEC; A1:2007/47/EC class II b product), CE - 2004/108/EC, IEC 60950-1:2005 + A1:2009 (2ND EDITION), IEC 60601-1:2005 + A1:2012, ANSI/AAMI ES 60601-1:2005 + C1:2009 + A1:2012, CAN/CSAC22.2 No. 60601-1(2008), DEMKO - EN 60601-1:2006, EN 60601-1-2:2007, CCC - GB9254-2008 + GB4943.1-2011 + GB17625.1-2003, KCC, VCCI, FCC class B, ICES-001 Level B, FDA 510(k), RoHS |
| **Supplied accessories** | Getting Started Guide, Quick-Installation Sheet<br>Video cable (DVI Dual Link), USB 2.0 cable, DisplayPort cable<br>Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC))<br>External power supply |
| **QA software** | MediCal QAWeb |
| **Warranty** | 5 years |

Generated on: 20 Jan 2015
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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